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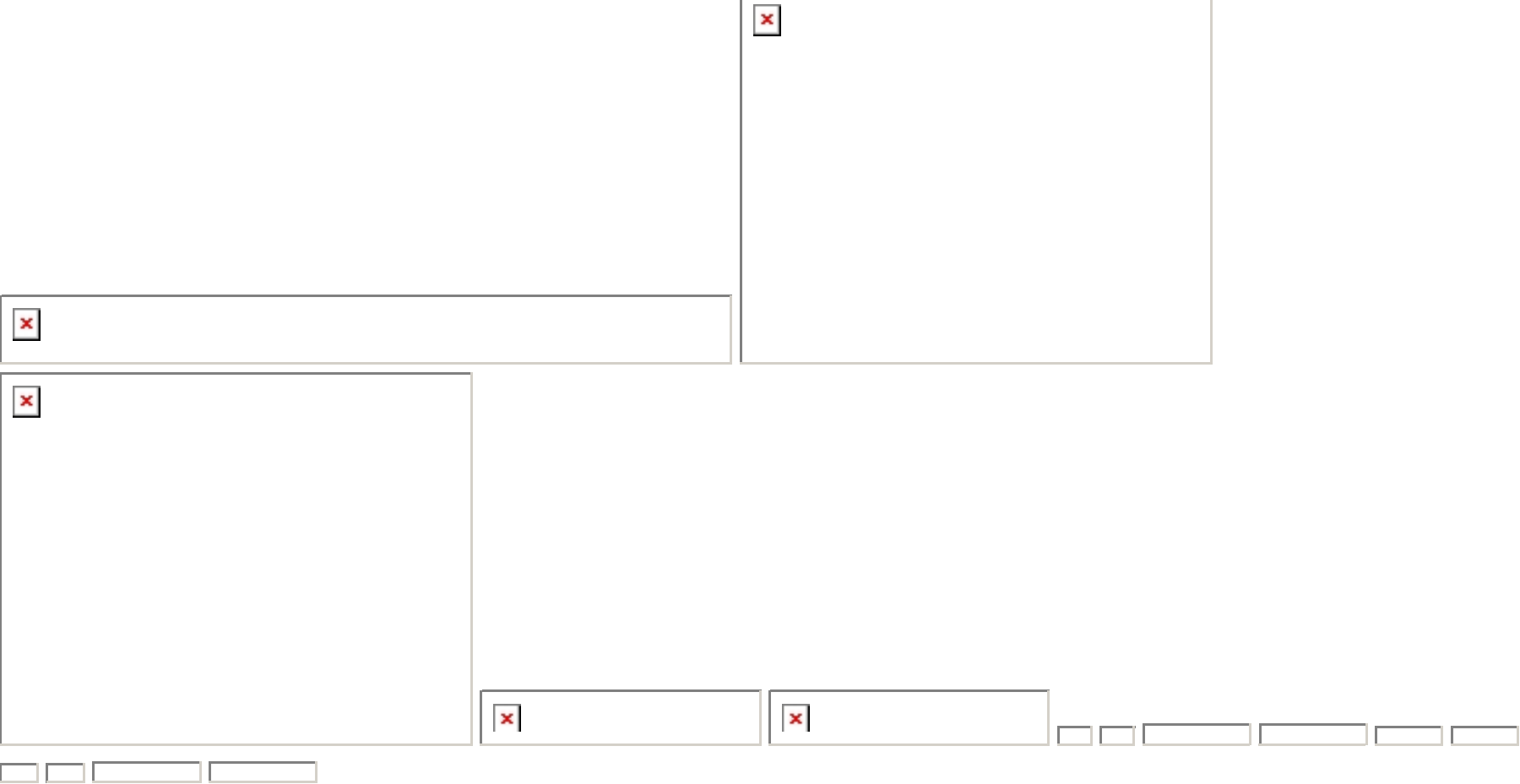
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# M30850T-EPB

(Discontinued product)

- M30850TEPB
- [Documentation](#)
- [Emulator Options](#)
- [FAQs](#)

## Related Resources

Successor product  
[M30850T2EPB](#)

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Evaluation Software

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Tool Stock and Availability

Please contact your distributor for the orderable part number for this device.

☐ **M30850T-EPB has been discontinued. In case not ordered, take [M30850T2-EPB](#) instead of it.**

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Target Devices

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M16C Family M32C/80 Series M32C/80, M32C/84, M32C/85, M32C/86 Groups

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Overview

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The emulation probe is a replaceable MCU-dependent hardware tool for the PC7501 emulator.

Connecting this emulation probe to a PC7501 emulator allows you to configure a development environment for your target system.

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Components

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MCU board for M32C/80, M32C/84, M32C/85 and M32C/86 Groups (M30850TEPBM)
- ?

Evaluation MCU *Already mounted*
- ?

Probe board for PC7501 (PCA7501EPBA)
- ?

Converter board for connecting to 100-pin 0.65mm pitch QFP (M30800PTC)
- ?

100-pin 0.65 mm pitch IC socket (IC61004051 made by Yamaichi Electronics (C&D) Ltd.)
- ?

Oscillator circuit boards

Main clock for 32MHz (OSC1)

Main clock (OSC2)
- ?

User's Manual

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Option

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M30850TEPBM: Maintenance part for M30850TEPB (MCU board for M32C/80, M32C/84, M32C/85 and M32C/86 Groups)

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Specifications

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Applicable emulator	<a href="#">PC7501</a>	
Supported MCU (*1)	M32C/80, M32C/84(*2), M32C/85 and M32C/86 Groups	
Maximum operating clock frequency	32MHz (at Vcc1=Vcc2=4.2 to 5.5V) 24MHz (at Vcc1=Vcc2=3.0 to 5.5V)	
MCU mode supported	Singlechip mode, Memory expansion mode, Microprocessor mode	
Internal emulation memory (Built into PC7501)	In singlechip mode	<div><div>?</div><div>Static 512Kbytes + 4Kbytes for internal ROM of MCU (Fixed F000hFFFFh and F80000h FFFFFFFh, 32MHz)</div></div>
	In memory expansion mode	<div><div>?</div><div>Static 516Kbytes for internal ROM of MCU (Fixed F000hFFFFh and F80000h FFFFFFFFh, 32MHz)</div></div> <div><div>?</div><div>Dynamic 3,328Kbytes for expansion area (Allocable in 256K-byte or 1,024K-byte blocks, 32MHz, 1ø+1ø</div></div>
	In microprocessor mode	<div><div>?</div><div>Dynamic 4,096K bytes for expansion area (Allocable in 256K-byte or 1,024K-byte blocks, 32MHz, 1ø+1ø</div></div>
Target system voltage	3.0 to 5.5V	
Power supply	Supplied from the emulator (DC)	

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\*1. For debugging 144n MCU, M3TFLX-144NSD (option) is required.

\*2. When using this emulation probe, you cannot use the page mode control function of ROM-less version of M32C/84 Group.

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Connection to Target System

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